

ABSTRACT OF THE INVENTION

A system processes and communicates URL data to enable network (including Internet) compatible applications to be securely integrated into any process involving concurrent operation of applications. A first application employs a system for encoding URL link data for use in detecting unauthorized URL modification. The system includes an input processor for receiving an encryption key and a URL processor for processing a URL link to a second application using the received encryption key. The URL processor identifies URL type and adaptively encrypts a URL link address portion based on the identified type to produce a processed URL. A communication processor includes the processed URL in data representing a web page and communicates the web page representative data including the processed URL to a requesting application. A managing application provides a common encryption key to a plurality of concurrently operating applications for use by the URL processor and the URL processor also adaptively generates URL fields including an encrypted URL address portion and a non-encrypted session identifier.